

Docket No.: KCC-15,272

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Jeffrey David SHELLEY

Jose Enrique MALDONADO

Braulio A. POLANCO

Serial No.:

10/006,994

Filing Date: 06 December 2001

Title:

SHAPED CAPILLARY PRODUCTION OF

**HOMOFILAMENT CRIMP FIBERS** 

## FIRST INFORMATION DISCLOSURE STATEMENT

**Assistant Commissioner for Patents** Washington, D.C. 20231

Dear Sir:

In accordance with Rules 1.56 and 1.98, References AA-AJ (Sheet 1 of 3) listed on Form PTO-1449 are cited and discussed on Pages 2, 5 and 7 of the referenced patent application and are brought to the attention of the Examiner as being possibly material to examination of this application.

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on

Serial No.: 10/006,994 Docket No.: KCC-15,272

The remaining references listed on Form PTO-1449 are also brought to the attention of the Examiner as being possibly material to examination of this application.

German Patent Reference 1 219 165 apparently shows shaped aperture plates in the Figures.

Form PTO-1449 (3 page(s)) is enclosed with a copy of each and every reference cited on Form PTO-1449.

Respectfully submitted,

Roland W. Norris Regis. No. 32,799

Pauley Petersen Kinne & Erickson 2800 West Higgins Road; Suite 365 Hoffman Estates, Illinois 60195 TEL (847) 490-1400 FAX (847) 490-1403

| KCC-15,272   10/006,994   | FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE |     |       | ATTY. DOCKET NO.                          |                       | SERIAL NO.    |                  |               |                   |             |          |
|---|--|-----|-------|---|-----------------------|---------------|------------------|---------------|-------------------|-------------|----------|
| Section   Class   Several sheets if recessor   Part   Section     |  |     |       |   | KCC-15,272 10/006,994 |               |                  |               |                   |             |          |
| Sexaminer   Document number   Date   | (Use several sheets if necessary)  |     |       |   |                       |               |                  |               |                   |             |          |
| V.S. PATENT DOCUMENTS   |  |     |       |   |                       |               |                  |               |                   |             |          |
| VEXAMINER   NAME   CLASS   SUBCLASS   FLING DATE   FAPROPRIATE  |  |     |       | APR 0 4 2002                              | 58                    | FILING DATE   |                  |               | GROUP             |             |          |
| SAMINER   DOCUMENT NUMBER   DATE   NAME   CLASS   SUBCLASS   FILING DATE   FAPPROPRIATE   |  |     |       | P. C. |                       |               | 06 December 2001 |               |                   |             |          |
| SAMINER   DOCUMENT NUMBER   DATE   NAME   CLASS   SUBCLASS   FILING DATE   FAPPROPRIATE   |  |     | •     | P TO ADELAR                               | <i>y</i>              |               |                  |               |                   |             |          |
| AA  |  |     |       |   | <u> </u>              |               | CLASS            | SUBCLASS      | •                 |             |          |
| AC   3,692,618   09/1972   Dorschner et al.   | INITIAL .  | AA  |       | 3,849,241                                 | 11/1974               | Butin et      | al.              |               |                   | IF APPROI   | PRIATE   |
| AC 3,692,618 09/1972 Dorschner et al.  AD 3,802,817 04/1974 Matsuki et al.  AE 3,338,992 08/1967 Kinney  AF 3,341,394 09/1967 Kinney  AG 3,502,763 03/1970 Hartmann  AH 3,502,538 03/1970 Petersen  AI 3,542,615 11/1970 Dobo et al.  AJ 6,123,886 09/2000 Slack  AK 3,219,739 11/1965 Breen et al.  FOREICN PATENT DOCUMENTS  DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO  AL 1 219 165 06/1966 Germany  AM 936,729 09/1963 Great Britain  AN 600 331 08/1997 EPO  AO 748 272 10/1999 EPO  AP 1,278,659 01/1991 Canada  OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)  **EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 689; Draw line through citation if not   |  | AB  |       |   | 07/1982               | Appel e       | t al.            |               |                   |             |          |
| AE 3,338,992 08/1967 Kinney   |  | AC  |       |   | 09/1972               |               |                  | 1             |                   |             | <u> </u> |
| AE 3,338,992 08/1967 Kinney   | ·  | AD  |       | 3,802,817                                 | 04/1974               | Matsuki       | i et al.         |               |                   |             |          |
| AG 3,502,763 03/1970 Hartmann   |  | AE  |       |   | 08/1967               | Kinney        |                  |               |                   |             |          |
| AH 3,502,538 03/1970 Petersen   |  | AF  |       | 3,341,394                                 | 09/1967               | Kinney        |                  |               |                   |             |          |
| AI 3,542,615 11/1970 Dobo et al.  AJ 6,123,886 09/2000 Slack  AK 3,219,739 11/1965 Breen et al.  FOREIGN PATENT DOCUMENTS     DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   NO  |  | AG  |       | 3,502,763                                 | 03/1970               | Hartmaı       | nn               |               |                   |             |          |
| AJ   6,123,886   09/2000   Slack  |  | АН  |       | 3,502,538                                 | 03/1970               | Peterser      | 1                |               |                   |             |          |
| AK   3,219,739   11/1965   Breen et al.   |  | AI  |       | 3,542,615                                 | 11/1970               | Dobo et       | al.              |               |                   |             |          |
| DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   TRANSLATION   YES   NO  |  | AJ  |       | 6,123,886                                 | 09/2000               | Slack         |                  |               |                   |             |          |
| DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   TRANSLATION   YES   NO  |  | AK  |       | 3,219,739                                 | 11/1965               | Breen et      | t al.            |               |                   |             |          |
| DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   YES   NO  |  |     |       | FOREI                                     | IGN PATEN             | L DOCUW       | ENTS             |               |                   |             |          |
| AL 1 219 165 06/1966 Germany  |  |     |       | DOCUMENT NUMBER                           | DATE                  | CO.           | COLINTRY         | CLASS         | SUBCLASS          | TRANSL      | ATION    |
| AM 936,729 09/1963 Great Britain  AN 600 331 08/1997 EPO  AO 748 272 10/1999 EPO  AP 1,278,659 01/1991 Canada  OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)  AR  AS  EXAMINER  DATE CONSIDERED  |  |     |       |   | DATE                  | COONTRI       | UNIKI            | CLASS         | OOBOLAGO          | YES         | NO       |
| AN 600 331 08/1997 EPO  AO 748 272 10/1999 EPO  AP 1,278,659 01/1991 Canada  OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)  AR  AS  EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not  |  | AL  |       | 1 219 165                                 | 06/1966               | German        | у                |               |                   |             |          |
| AO 748 272 10/1999 EPO  AP 1,278,659 01/1991 Canada  OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)  AR  AS  EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not  |  | AM  |       | 936,729                                   | 09/1963               | Great B       | ritain           |               |                   |             |          |
| AP 1,278,659 01/1991 Canada  OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)  AR  AS  EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not  |  | AN  |       | 600 331                                   | 08/1997               | EPO           |                  |               |                   |             |          |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)  AR  AS  EXAMINER  Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not   |  | AO  |       | 748 272                                   | 10/1999               | EPO           |                  |               |                   |             |          |
| AR  AS  AS  DATE CONSIDERED  *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not   |  | AP  |       | 1,278,659                                 | 01/1991               | Canada        |                  |               |                   |             |          |
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| EORM PTO-1449<br>(MODIFIED)                     |          | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                                   |                          | ATTY. DOCKET NO. KCC-15,2                  | SERIAL NO.<br>10/006,994 |          |                       |        |  |
|---|----------|--|--------------------------|--|--------------------------|----------|-----------------------|--------|--|
| (Use several sheets if necessary)  APR 0 4 2002 |          |  |                          | APPLICANT(S)  Jeffrey David SHELLEY et al. |                          |          |                       |        |  |
|   |          | APR O  | FILING DATE  06 December | GROUP                                      |                          |          |                       |        |  |
|   |          | U.S.   | PATENT D                 | OCUMENTS                                   |                          |          |                       |        |  |
| *EXÁMINER<br>INITIAL                            |          | DOCUMENT NUMBER  | DATE                     | NAME                                       | CLASS                    | SUBCLASS | FILING D<br>IF APPROF |        |  |
| Şer<br>   | AA       | 3,249,669  | 05/1966                  | Jamieson                                   |                          |          |                       |        |  |
|   | АВ       | 3,920,784  | 11/1975                  | Nakagawa et al.                            |                          |          |                       |        |  |
|   | AC       | 3,975,484  | 08/1976                  | Okada et al.                               |                          |          |                       |        |  |
|   | AD       | 3,981,948  | 09/1976                  | Phillips                                   |                          |          |                       |        |  |
|   | AE       | 4,176,150  | 11/1979                  | Bromley et al.                             |                          |          |                       |        |  |
|   | AF       | 4,179,259  | 12/1979                  | Belitsin et al.                            |                          |          |                       |        |  |
|   | AG       | 4,265,849  | 05/1981                  | Borenstein                                 |                          |          |                       |        |  |
|   | АН       | 4,351,147  | 09/1982                  | Blackmon et al.                            |                          |          |                       |        |  |
|   | AI       | 4,383,817  | 05/1983                  | Mirhej                                     |                          |          |                       |        |  |
|   | AJ       | 4,522,773  | 06/1985                  | Menezes et al.                             |                          | <u>.</u> |                       |        |  |
|   | AK       | 4,562,029  | 12/1985                  | Black                                      |                          |          |                       |        |  |
|   |          | FOREIG   | GN PATENT                | DOCUMENTS                                  |                          |          |                       |        |  |
|   |          | DOCUMENT NUMBER  | DATE                     | COUNTRY                                    | CLASS                    | SUBCLASS | TRANSL                | ATION  |  |
|   | V        |  |                          | 100  |                          |          | YES                   | NO     |  |
|   | AL       | 98/45512   | 10/1998                  | PCT  |                          |          |                       |        |  |
|   | AM       | 98/38358   | 09/1998                  | PCT  |                          |          |                       |        |  |
|   | AN       |  |                          |  |                          |          |                       |        |  |
|   | AO<br>AP |  |                          |  | :                        |          |                       |        |  |
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| FORM PTO-1449  (MODIFIED)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |    |  |                                     | ATTY. DOCKET NO. SERIAL NO. KCC-15,272     |             |                               | /006,994  |    |  |
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| (Use several sheets if necessary)  |    |  |                                     | APPLICANT(S)  Jeffrey David SHELLEY et al. |             |                               |           |    |  |
|  |    | APR 0 4  | FILING DATE GROUP  06 December 2001 |  |             |                               |           |    |  |
|  |    |  |                                     | OCUMENTS                                   |             |                               |           |    |  |
| *EXÁMINER<br>INITIAL   |    | DOCUMENT NUMBER  | DATE                                | • • • • • • • • • • • • • • • • • • •      |             | FILING DATE<br>IF APPROPRIATE |           |    |  |
| ,  | AA | 4,619,803  | 10/1986                             | Yu   |             |                               |           |    |  |
|  | AB | 4,720,314  | 01/1988                             | Black                                      |             |                               |           |    |  |
|  | AC | 4,772,347  | 09/1988                             | Fowler                                     |             |                               |           |    |  |
|  | AD | 4,783,231  | 11/1988                             | Raley                                      |             |                               |           |    |  |
|  | AE | 4,973,236  | 11/1990                             | Hasegawa et al.                            |             |                               |           |    |  |
|  | AF | 5,407,625  | 04/1995                             | Travelute et al.                           |             |                               |           |    |  |
|  | AG | 5,989,004  | 11/1999                             | Cook                                       |             |                               |           |    |  |
|  | АН |  |                                     |  |             |                               |           |    |  |
|  | Al |  |                                     |  |             |                               |           |    |  |
|  | AJ |  |                                     |  |             |                               |           |    |  |
|  | AK | FORFIG   | N PATENT                            | DOCUMENTS                                  |             |                               |           |    |  |
| PORLIGITATENT  |    |  |                                     | TRANSLATION                                |             |                               |           |    |  |
|  |    | DOCUMENT NUMBER  | DATE                                | COUNTRY                                    | CLASS       | SUBCLASS                      | YES       | NO |  |
|  | AL |  |                                     |  |             |                               |           |    |  |
|  | AM |  |                                     |  |             |                               |           |    |  |
|  | AN |  |                                     |  |             |                               |           |    |  |
|  | AO | .,   |                                     |  |             |                               |           |    |  |
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|  | АТ |  |                                     |  |             |                               |           |    |  |
| EXAMINER   |    |  | DATE CONSIDERED                     |  |             |                               |           |    |  |
| *EXAMINER: in conformance  |    | tial if reference considered, whether or not toonsidered. Include copy of this form with |                                     |  | 609; Draw I | ine through citati            | on if not |    |  |